

WHAT IS CLAIMED IS:

1. Collapsible bridge, having two track girders which are constructed as truss girders with a triangular cross-section, wherein a chord profile is provided at each triangulation point, and wherein two corners of the triangular cross-section are situated at the same level, and the third corner is situated above the latter, wherein, in each case, between one of the lower triangulation points and the upper triangulation point, a truss plane is formed comprising diagonal struts, the lower chord and the upper chord, wherein lower and upper truss nodes respectively are formed at the points of the connection of two diagonal struts and a lower chord and an upper chord respectively,

wherein the two track girders are force-lockingly connected by transverse girders,

wherein roadway planks are provided which are aligned in the longitudinal direction of the bridge and are force-lockingly connected with the transverse girders,

wherein the transverse girders are fitted completely through the track girders and are force-lockingly connected with the latter, so that the transverse girders fix the distance between the two truss planes on the bottom side of a track girder as well as the two track girders with respect to one another, wherein the transverse girders rest on the lower nodes of the two truss planes of a track girder and are force-lockingly connected with the latter, and

wherein the two truss planes of a track girder are connected at the upper triangulation point of the track girder cross-section by means of a hinge, so that, when the bridge is taken down, the track girders can be folded together.

2. Collapsible bridge according to Claim 1, wherein a longitudinal side of a lower chord situated at the lower triangulation points of a track girder is aligned parallel to the pertaining truss plane.

3. Collapsible bridge according to Claim 1, wherein a longitudinal side of a lower chord situated at the lower triangulation points of a track girder has a perpendicular alignment with respect to a local horizontal plane.

4. Collapsible bridge according to Claim 1, wherein the transverse girders and/or the roadway planks consist of extruded, tube-shaped fiber composite profiles.

5. Collapsible bridge according to Claim 2, wherein the transverse girders and/or the roadway planks consist of extruded, tube-shaped fiber composite profiles.

6. Collapsible bridge according to Claim 3, wherein the transverse girders and/or the roadway planks consist of extruded, tube-shaped fiber composite profiles.

7. Collapsible bridge according to Claim 1, wherein the transverse girders are bent at right angles at the transition area to the track girders.

8. Collapsible bridge according to Claim 2, wherein the transverse girders are bent at right angles at the transition area to the track girders.

9. Collapsible bridge according to Claim 3, wherein the transverse girders are bent at right angles at the transition area to the track girders.
10. Collapsible bridge according to Claim 4, wherein the transverse girders are bent at right angles at the transition area to the track girders.
11. Collapsible bridge according to Claim 1, wherein the track girders are coupled together in the longitudinal direction of the bridge from one or several track girder sections.
12. Collapsible bridge according to Claim 2, wherein the track girders are coupled together in the longitudinal direction of the bridge from one or several track girder sections.
13. Collapsible bridge according to Claim 3, wherein the track girders are coupled together in the longitudinal direction of the bridge from one or several track girder sections.
14. Collapsible bridge according to Claim 4, wherein the track girders are coupled together in the longitudinal direction of the bridge from one or several track girder sections.

15. Collapsible bridge according to Claim 7, wherein the track girders are coupled together in the longitudinal direction of the bridge from one or several track girder sections.

16. Collapsible bridge according to Claim 1, wherein the track girders are coupled at their ends with end pieces which form the bearings of the bridge.

17. Collapsible bridge according to Claim 2, wherein the track girders are coupled at their ends with end pieces which form the bearings of the bridge.

18. Collapsible bridge according to Claim 3, wherein the track girders are coupled at their ends with end pieces which form the bearings of the bridge.

19. Collapsible bridge according to Claim 4, wherein the track girders are coupled at their ends with end pieces which form the bearings of the bridge.

20. Collapsible bridge according to Claim 7, wherein the track girders are coupled at their ends with end pieces which form the bearings of the bridge.

21. Collapsible bridge according to Claim 11, wherein the track girders are coupled at their ends with end pieces which form the bearings of the bridge.

22. A truss girder for a collapsible bridge comprising:

two track girders extending in use in respective truss planes forming two sides of a triangle with a triangle base extending between lower ends of the track girders when in an in use assembled condition with transverse girders fitted through and positioning said lower ends with respect to one another, and

a hinge connecting upper portions of the two track girders together to thereby facilitate folding together of the two track girders when a bridge utilizing same is taken down.

23. A collapsible bridge assembly comprising:

truss girders positioned in use on lateral sides of a bridge roadway formed by the bridge assembly,

transverse girders detachably connected with respective truss girders at opposite lateral sides of the bridge roadway, and

roadway planks extending transverse to and supported at the transverse girders to form the bridge roadway,

wherein the truss girders each compromise:

two track girders extending in use in respective truss planes forming two sides of a triangle with a triangle base extending between lower ends of the track girders when in an in use assembled condition with transverse girders fitted through and positioning said lower ends with respect to one another, and

a hinge connecting upper portions of the two track girders together to thereby facilitate folding together of the two track girders when a bridge utilizing same is taken down.

24. A collapsible bridge assembly according to Claim 23, wherein the transverse girders and/or the roadway planks consist of extruded, tube-shaped fiber composite profiles.

25. A collapsible bridge assembly according to Claim 23, wherein the transverse girders and/or the roadway planks consist of extruded, tube-shaped fiber composite profiles.

26. A collapsible bridge assembly according to Claim 23, wherein the track girders are coupled together in the longitudinal direction of the bridge from one or several track girder sections.

27. A method of using the collapsible bridge assembly of Claim 23, comprising:  
    unfolding of the truss girders along their respective hinges,  
    connecting the transverse girders to the truss girders with fixing of the track girder lower portions in position, and  
    placing the planks on the transverse girders.

28. A method of making the collapsible bridge according to Claim 23, comprising:  
    extruding the transverse girders and/or the roadway plank as tube-shaped fiber composite profiles.